abcam

Product datasheet

Recombinant Human E3 ubiquitin-protein ligase MUL1 ab153508

1 Image

Description

Product name	Recombinant Human E3 ubiquitin-protein ligase MUL1
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQELK GAKKVHLGED LKSILSEAPGKCVPYAVIEGAVRSVKETLNSQFVENCKGVI QRLTLQEHK MVWNRTTHLWNDCSKIIHQRTNTVPFDLVPHEDGVDVAV RVLKPLDSVDL GLETVYEKFHPSIQSFTDVIGHYISGERPKGIQETEEMLKVG ATLTGVGE LVLDNNSVRLQPPKQGMQYYLSSQDFDSLLQRQESSVRL WKVLALVFGFA TCATLFFILRKQYLQRQERLRLKQMQEEFQEHEAQLLSRA KPEDRESLKS ACVVCLSSFKSCVFLECGHVCSCTECYRALPEPKKCPIC RQAITRVIPLY NS
Amino acids	1 to 352
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab153508** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA
	Western blot
Form	Liquid

Additional notes

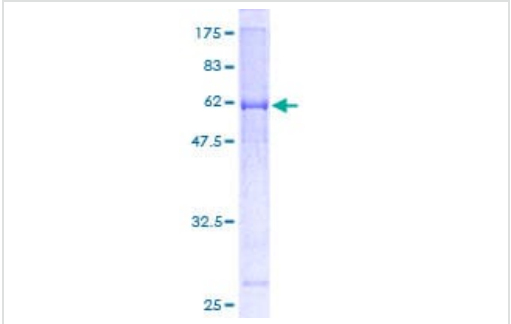
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Exhibits weak E3 ubiquitin-protein ligase activity, but preferentially acts as a SUMO E3 ligase at physiological concentrations. Plays a role in the control of mitochondrial morphology. Promotes mitochondrial fragmentation and influences mitochondrial localization. Inhibits cell growth. When overexpressed, activates JNK through MAP3K7/TAK1 and induces caspase-dependent apoptosis. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.
Tissue specificity	Widely expressed with highest levels in the heart, skeletal muscle, placenta, kidney and liver. Barely detectable in colon and thymus.
Pathway	Protein modification; protein ubiquitination. Protein modification; protein sumoylation.
Sequence similarities	Contains 1 RING-type zinc finger.
Domain	The zinc finger domain is required for E3 ligase activity.
Cellular localization	Mitochondrion outer membrane. Peroxisome. Transported in mitochondrion-derived vesicles from the mitochondrion to the peroxisome.

Images



SDS-PAGE - Recombinant Human E3 ubiquitin-protein ligase MUL1 (ab153508)

ab153508 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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